

20-04-2021

Amendment no. 3**Sub: Clarification to the referred tender enquiry**

Ref.: Tender Enquiry Document No.: HITES/PCD/AIIMS-IV/16RT-01/OTIN/20-21 dated 12-03-2021 read with Amendment no 1 & 2 dated 24.03.2021 & 16.04.2021 respectively.

The following changes are being incorporated in the above referred Tender Enquiry Document.

SECTION VII**Technical Specifications**

<u>TECHNICAL AMENDMENT</u>		
Tender ref: HITES/PCD/AIIMS-IV/16RT-01/OTIN/20-21 Dated: 12.03.2021		
Integration and Data Management System for Modular OT		
Para & Pg.No.	Tender Specification	Amended as
Amend-01, pg 03, para 1.b	Bidder has to provide all required trenches/ trays, conduits for fibre optic cables, electrical cables, data cables, etc. with all necessary cabling required for integration system. MOT vendor will provide necessary cut-outs as per approved drawing provided by institute/consignee. Integration bidder is responsible for laying cable from DB to OT sockets with switching for the integration power requirement. However, Integration bidder should submit drawing/template of all kind of cutouts required in Wall panels, Ceiling panels, Anesthesia & Surgeon Pendants along with cutout drawings, with the technical bid. In case the cutout details are not provided by the Integration bidder along with bid, then Integration bidder shall carryout all cutouts at their own cost & risk MOT vendor will also provide dedicated MCBs/MCCBs minimum 2Nos for integration	Bidder has to provide all required trenches/ trays, conduits for fibre optic cables, electrical cables, data cables, etc. with all necessary cabling required for integration system. MOT vendor will provide necessary cut-outs as per approved drawing provided by institute/consignee. Integration bidder is responsible for laying cable from DB to OT sockets with switching for the integration power requirement. However, Integration bidder should submit drawing/template of all kind of cutouts required in Wall panels, Ceiling panels, Anesthesia & Surgeon Pendants along with cutout drawings, with the technical bid. In case the cutout details are not provided by the Integration bidder along with bid, then Integration bidder shall carryout all cutouts at their own cost & risk MOT vendor will also provide dedicated MCBs/MCCBs minimum 2Nos for integration

	<p>equipment in MOT Distribution Board (DB) rest cabling will be in the scope of integration vendor for integration equipment's. Institute will provide one-point LAN incoming supply for each MOT, rest bidder is responsible to connect Integrated MOT to Hospital Network. All electrical components should be used as per industry standards and norms. The successful vendor has to submit detailed installation plan to be submitted to the respective institutes and should get approved before installation</p>	<p>equipment in MOT Distribution Board (DB) rest cabling will be in the scope of integration vendor for integration equipment's. Institute will provide four (4) LAN connections for each MOT, rest bidder is responsible to connect Integrated MOT to Hospital Network. All electrical components should be used as per industry standards and norms. The vendor has to submit detailed installation plan to be submitted to the respective institutes and should get approved before installation</p>
<p>Amend-01, pg 04, para 2.a, 2.b,2.c</p>	<p>2 - Medical Grade Monitors - 2.a Medical Grade Monitors -i)One 26-inch or more Full High Definition (1920X1080p) medical grade monitor with ceiling suspended spring arm for each Integrated MOT. Both monitor and arm should have capability to rotate atleast 270 deg. The spring arm should be from the same manufacturer of integration (Price to be quoted separately). 2.b Medical Grade Monitors -ii)One 26-inch or more 4K (minimum resolution of 3840 x 2160) medical grade monitor with ceiling suspended spring arm for each Integrated MOT. Both monitor and arm should have capability to rotate atleast 270 deg. The spring arm should be from the same manufacturer of integration (Price to be quoted separately). 2.c One 42-inch or more 4K (minimum resolution of 3840 x 2160) medical grade color monitor should be flush mounted on OT wall with all necessary frames with glass should be provided by bidder for each integrated MOT. Medical Grade monitor should be of make:</p>	<p>2 - Medical Grade Monitors - a. Medical Grade Monitor: 42-inch or more, of 4K (minimum resolution of 3840 x 2160) resolution, to be flush mounted on OT wall - 01 no. per integrated MOT b. Medical Grade Monitor : 26-inch or more 4K (minimum resolution of 3840 x 2160) medical grade monitor with ceiling suspended spring arm. Both monitor and arm should have capability to rotate atleast 270 deg. (Price to be quoted separately) - 01 no. per integrated MOT c. Optional item - Medical Grade Monitors -26-inch or more Full High Definition (1920X1080p) medical grade monitor with ceiling suspended spring arm. Both monitor and arm should have capability to rotate atleast 270 deg. (Price to be quoted separately) - 01 no. per integrated MOT Medical Grade monitor should be of following make: Eizo/Barco/Sony/LG (commercial grade monitors will not be accepted)</p>

	Eizo/Barco/Sony/LG (commercial grade monitors will not be accepted)	
Amend-01, pg 04, para 3.a	All AV signals of MOT should be connected to Conference room/Other MOT/Doctors lounge/Etc. for video conferencing and live transmissions in the native (1080p) form as per the requirement The system should be capable of Bi-directional streaming Full High Definition video and audio in each OR, over Local Area Network for teaching & consultation purpose.	All AV signals of MOT (in SD, HD,full HD,3D,4K resolution) should be connected to Conference room/Other MOT/Doctors lounge/Etc. for video conferencing and live transmissions in lossless data format . The system should be capable of Bi-directional streaming Full High Definition video and audio in each OR, over Local Area Network for teaching & consultation purpose.
Amend-01, pg 04, para 3.b	Vendor will be responsible for laying required cabling from Operation Theatres to Conference rooms/ Lecture Halls and Auditorium to enable bidirectional transfer of data (Price for 100 meters to be quoted separately - however it will be paid at actuals)	Vendor will be responsible for laying required cabling along with necessary hardware for networking from Operation Theatres to Conference rooms/ Lecture Halls and Auditorium to enable bidirectional transfer of data (Price for 100 meters to be quoted separately - however it will be paid at actuals)
Amend-01, pg 04, para 3.k	Audio-Video bidirectional Conferencing system should be offered and the system should be able to transfer high quality real time images and audio signals from multipoint (minimum 4 party) at a minimum speed of 2Mbps. The system should be able to transmit full HD signals (1080p) over the ISDN lines or IP Service	Audio-Video bidirectional Conferencing system should be offered and the system should be able to transfer high quality real time images and audio signals from multipoint (minimum 4 party) at a minimum speed of 2Mbps. The system should be able to transmit (SD, HD,full HD,3D,4K) signals over the ISDN lines or IP Service
Amend-01, pg 05, para 4.b	Should have provision to record the images and video in OT	Should have facility to record the images and video in OT
Amend-01, pg 05, para 6	Capability to view real time images and videos from OTs to remote desktop and laptop inside the institute such as OPD/faculty room should be provided. Hospital will provide required LAN connection for the same. Networking hardware and software for the same should be provided by the vendor. (Price to be quoted separately)	Capability to stream images and videos in real time from OTs to clinician's desktop and/or laptop located in OPD/faculty room within the institute should be provided. Hospital will provide required network connection for the same in OPD/faculty room. Networking hardware and software for the same should be provided by the vendor. (Price

		to be quoted separately)
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Integration and Data Management System for Modular OT				
S.N	NAME OF THE ITEMS (Description as per specification)	UNIT	Qty for Each MOT	MAF- (Ex/ Non-Ex/ NR)
1	Scope of Bidders - (As per tender specs) Electrical cables, Fibre optic cables/data cables, trenches/ trays, conduits for cables, patch panels, convertors/transducers/ Scalars, other required hardware, software and licenses for successful commissioning of OT Integration system	Ls	1	NR
2	Medical Grade Monitors: (As per tender specs)			
a	42-inch or more 4K (minimum resolution of 3840 x 2160) medical grade color monitor (flushed in MOT Wall)	No.	1	NR
b	26-inch or more, 4K (minimum resolution of 3840 x 2160), Medical Grade monitor (with ceiling Suspended Arm)	No.	1	NR
3	Audio Video Communication System - (As per tender specification)	No.	1	Ex (Only for Router & Its Accessories)
4	Control System cum Digital Documentation System- (As per tender specification)	No.	1	Ex (Only for Medical Grade Recorder)
BOQ for MOT Integration per Institute				
5	Trolley Based VC System (Camera, Speaker, Mic, Dialing System, 26" or more Monitor, Suitable Trolley, Licences, Patch Panels and other accessories as per tender requirement)	No.	1	NR
6	Cabling along with necessary hardware for networking from Operation Theatres to Conference rooms/ Lecture Halls and Auditorium to enable bidirectional transfer of data	m	100	NR

7	Networking hardware and software to stream images and videos in real time from OTs to clinician's desktop and/or laptop located in OPD/faculty room within the institute	No.	10 Nodes	NR
Optional Item(s)				
8	26-inch or more, Full High Definition (1920X1080p), Medical Grade monitor (with ceiling Suspended Arm)	No.	1	NR
<p>Abbreviations: MAF: Manufacturer Authorization Form as per Bidding Document Ex: Exclusive (i.e. One OEM can authorize only one agent for its product in a specific tender). Non-Ex: Non Exclusive.(i.e. One OEM can authorize multiple agents for its product in a specific tender). NR: Not Required.</p>				

All other contents of the Tender enquiry including terms & conditions remain unaltered.

Note:

I. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids